

Title (en)

Controlling channel change in an access point of a wireless local area network

Title (de)

Steuerung des Kanalwechsels in einem Zugangsknoten eines drahtlosen lokalen Netzes

Title (fr)

Contrôle de changement de canal dans un point d'accès d'un réseau local sans fil

Publication

EP 1953967 A3 20111228 (EN)

Application

EP 08001658 A 20080129

Priority

KR 20070011595 A 20070205

Abstract (en)

[origin: EP1953967A2] An access point and a method of controlling channel change in the access point. The access point includes: a channel change event detector for checking whether an event of requesting to change a channel used for transmitting and receiving a packet between the access point and a counterpart access point occurs; and a channel change control unit for performing channel change while maintaining channel-synchronization with the counterpart access point constituting a Wireless Distribution System (WDS) link when the channel change event occurs. According to the access point and method, a WDS link is normally maintained even when the channel of an access point is changed.

IPC 8 full level

H04W 92/20 (2009.01); **H04W 84/12** (2009.01)

CPC (source: EP KR US)

H04W 84/12 (2013.01 - KR); **H04W 88/08** (2013.01 - KR); **H04W 92/20** (2013.01 - EP KR US); **H04W 84/12** (2013.01 - EP US)

Citation (search report)

- [IA] US 2006098592 A1 20060511 - PROCTOR JR JAMES A [US], et al
- [IP] US 2007104139 A1 20070510 - MARINIER PAUL [CA], et al
- [IP] US 2007076642 A1 20070405 - CHIEN CHUN-CHOU [TW], et al
- [A] US 2006262733 A1 20061123 - GUO MING-WANG [TW], et al
- [A] RAMACHANDRAN K N ET AL: "Interference-Aware Channel Assignment in Multi-Radio Wireless Mesh Networks", INFOCOM 2006. 25TH IEEE INTERNATIONAL CONFERENCE ON COMPUTER COMMUNICATIONS. PROCEEDINGS, IEEE, PISCATAWAY, NJ, 1 April 2006 (2006-04-01), pages 1 - 12, XP031072217, ISBN: 978-1-4244-0221-2, DOI: 10.1109/INFOCOM.2006.177

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 1953967 A2 20080806; **EP 1953967 A3 20111228**; **EP 1953967 B1 20140409**; KR 100875738 B1 20081226; KR 20080073065 A 20080808; US 2008186914 A1 20080807; US 9591694 B2 20170307

DOCDB simple family (application)

EP 08001658 A 20080129; KR 20070011595 A 20070205; US 1032408 A 20080123